

Ball Tilt Switch Module

ARD2-2220

- **Completes circuit when the module is tilted**
- **LED lights up when tilt switch is activated**

Description

This ball tilt switch module can detect when it is tilted. It works because a ball flows into the gap between two electrodes and completes the circuit when the module is tilted at an angle.

Specifications

Colour	Black
Material	PCB
Output	Digital Signal

Pinout

Module	Arduino	Function
S	D3	Signal via Arduino Board
Middle	5V	Power Supply
-	Ground	Ground Connection

Test Code

```
int Led = 13 ;// / define LED Interface
int buttonpin = 3; // / define the tilt switch sensor
interfaces
int val ;// / define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ;// / define LED as output interface
  pinMode (buttonpin, INPUT) ;// / define the output interface
  tilt switch sensor
}
void loop ()
{
  val = digitalRead (buttonpin) ;// / digital interface will be
  assigned a value of 3 to read val
  if (val == HIGH) // / When the tilt sensor detects a signal
  when the switch, LED flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```

